

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

FIG. 1

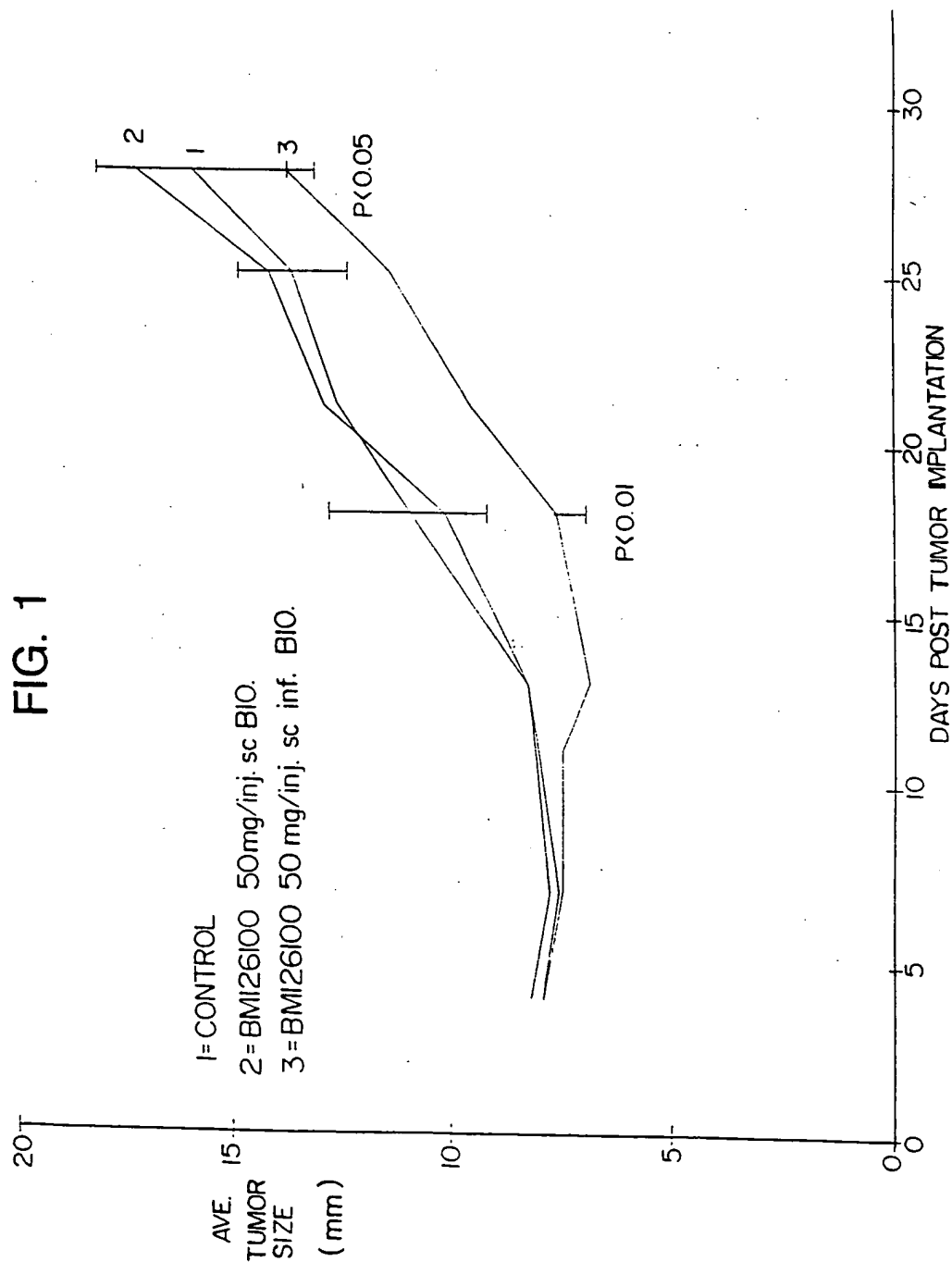


FIG. 2

Litorin

A1 A2 A3 A4 A5 A6 A7 A8 A9
pGlu-Gln-Trp-Ala-Val-Gly-His-Phe-Met

SEQ ID No. 13

W

(Ser¹) Neuromedin C

A0 A1 A2 A3 A4 A5 A6 A7 A8 A9
Gly-Ser-His-Trp-Ala-Val-Gly-His-Leu-Met

W

Bombesin (last 10 amino acids)

A0 A1 A2 A3 A4 A5 A6 A7 A8 A9
Gly-Asn-Gln-Trp-Ala-Val-Gly-His-Leu-Met

W

human GRP (last 10 amino acids)

A0 A1 A2 A3 A4 A5 A6 A7 A8 A9
Gly-Asn-His-Trp-Ala-Val-Gly-His-Leu-Met

W

FIG. 3a

VIP FAMILY OF PEPTIDES

VIP His-Ser-Asp-Ala-Val-Phe-Thr-Asp-----Asn-Tyr-Thr-Arg-Leu-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Asn-Ser-Ile-Leu-Asn-NH₂
 pYI His-Ala-Asp-Gly-Val-Phe-Thr-Ser-----Asp-Phe-Ser-Arg-Leu-Leu-Gly-Gln-Leu-Ser-Ala-Lys-Lys-Tyr-Leu-Glu-Ser-Leu-Ile-NH₂
 pb Secretin His-Ser-Asp-Gly-Thr-Phe-Thr-Ser-----Glu-Leu-Ser-Arg-Leu-Arg-Ser-Ala-Arg-Leu-Gln-Arg-Leu-Gln-Gly-Leu-Val-NH₂
 h GRF Tyr-Ala-Asp-Val-Ile-Phe-Thr-Asn-----Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Gln-Asp-Ile-Met-Ser-
 ph glucagon His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-----Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Trp-Leu-Met-Asn-Thr-
 p GIP Tyr-Ala-Glu-Gly-Thr-Phe-Ile-Ser-----Asp-Ile-Ser-Ile-Ala-Met-Asp-Lys-Ile-Arg-Gln-Gln-Asp-Phe-Val-Asn-Trp-Leu-Leu----
 o CRF Ser-Glu-Glu-Pro-Pro-Ile-Ser-Leu-Asp-Leu-Ile-Phe-His-Leu-Leu-Arg-Glu-Val-Leu-Glu-Met-Thr-Lys-Ala-Asp-Gln-Leu----Ala-
 s ^(antagonist) agine pGlu-Gly-Pro-Pro-Ile-Ser-Ile-Asp-Leu-Ser-Leu-Glu-Leu-Leu-Arg-Lys-Met-Ile-Glu-Ile-Glu-Lys-Gln-Glu-Lys-Glu----Lys-
 Helodermin His-Ser-Asp-Ala-Ile-Phe-Thr-Gln-----Gln-Tyr-Ser-Lys-Leu-Leu-Ala-Lys-Leu-Ala-Leu-Gln-Lys-Ile-Leu-Ala-Ser-
 Urotensin I Asn-Asp-Asp-Pro-Pro-Ile-Ser-Leu-Asp-Leu-Thr-Phe-His-Leu-Leu-Arg-Asn-Met-Ile-Glu-Met-Ala-Arg-Ile-Glu-Asn-Glu-----Arg-

FIG. 3b

SEQUENCES CONTINUED:

h GRF	Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH ₂
pGIP	Ala-Gln-Lys-Gly-Lys-Ser-Asp-Trp-Lys-His-Asn-Ile-Thr-Gln
o CRF	Gln-Gln-Ala-His-Ser-Asn-Arg-Lys-Leu-Leu-Asp-Ile-Ala-NH ₂
Sauvagine	Gln-Gln-Ala-Asn-Asn-Arg-Leu-Leu-Leu-Asp-Thr-Ile-NH ₂
Helodermin	Ile-Leu-Gly-Ser-Arg-Thr-Ser-Pro-Pro-NH ₂
Urotensin I	Glu-Gln-Ala-Gly-Leu-Asn-Arg-Lys-Tyr-Leu-Asp-Glu-Val-NH ₂

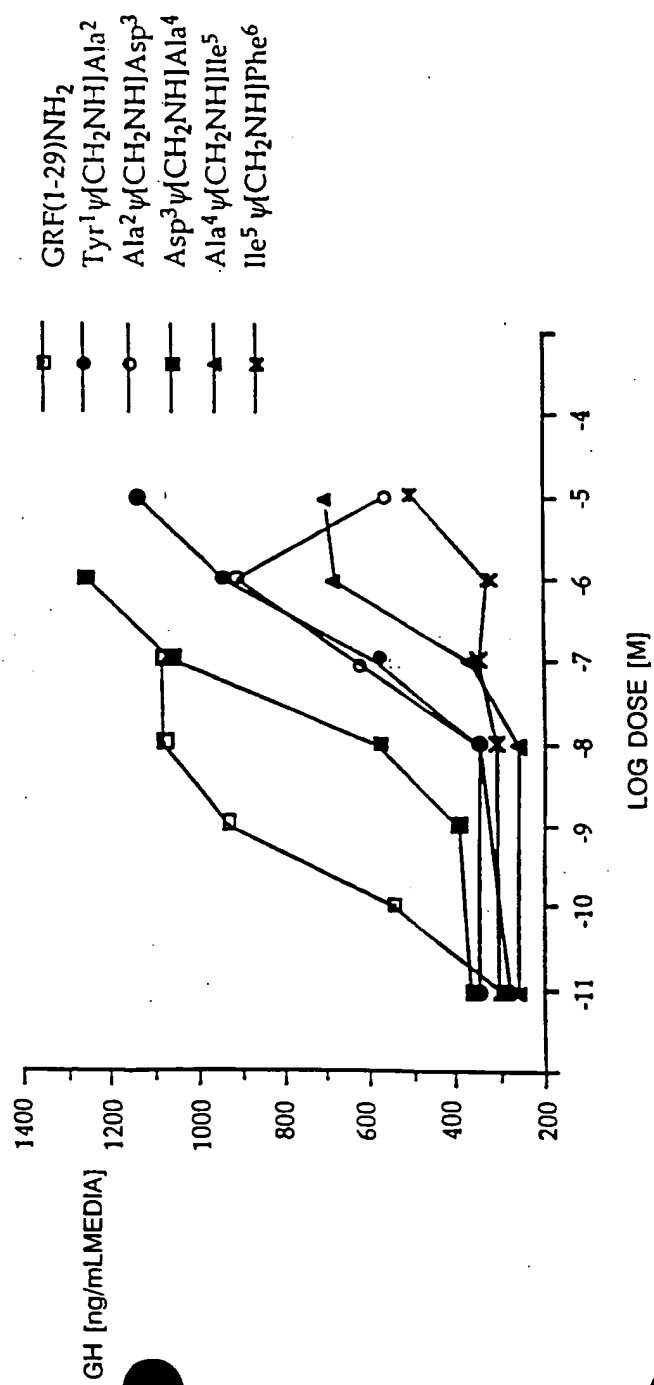


FIG. 4

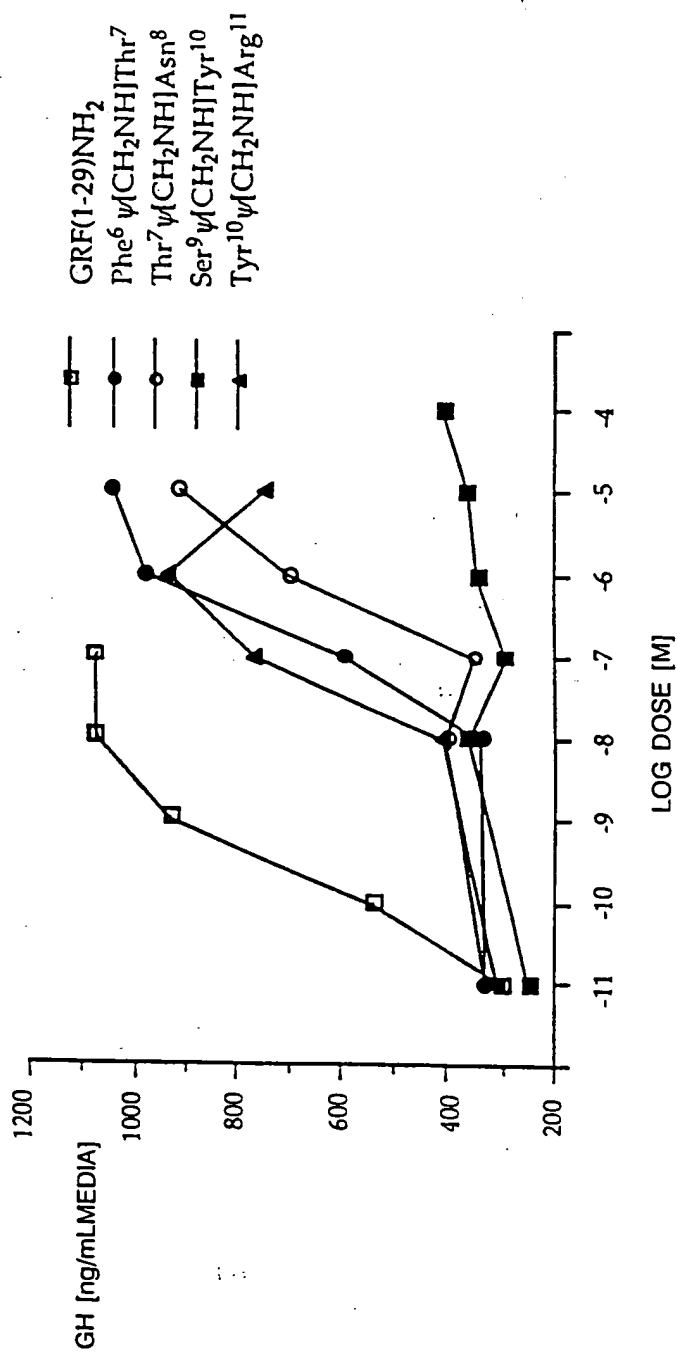


FIG. 5

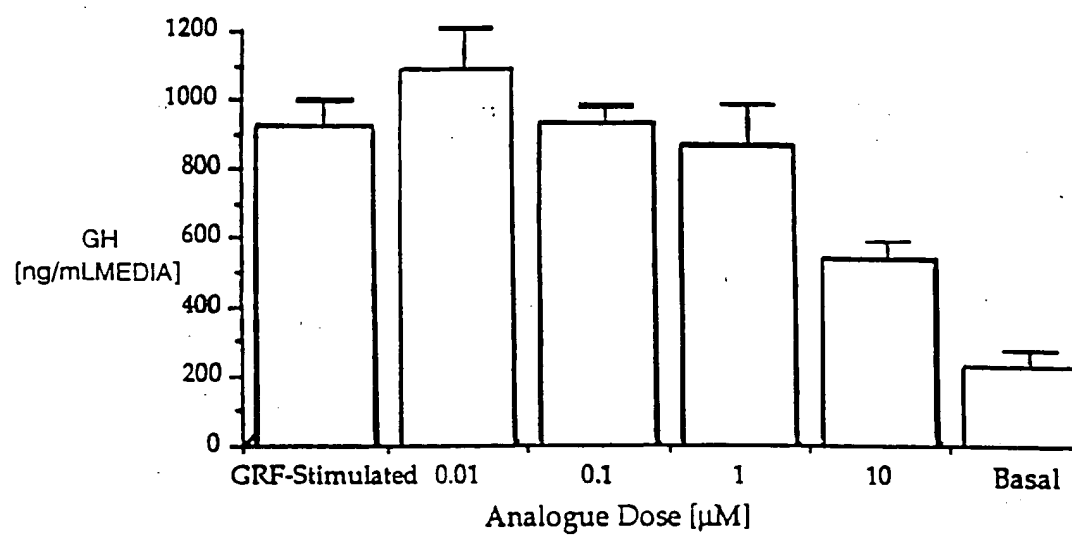


FIG. 6